

FIG. 1

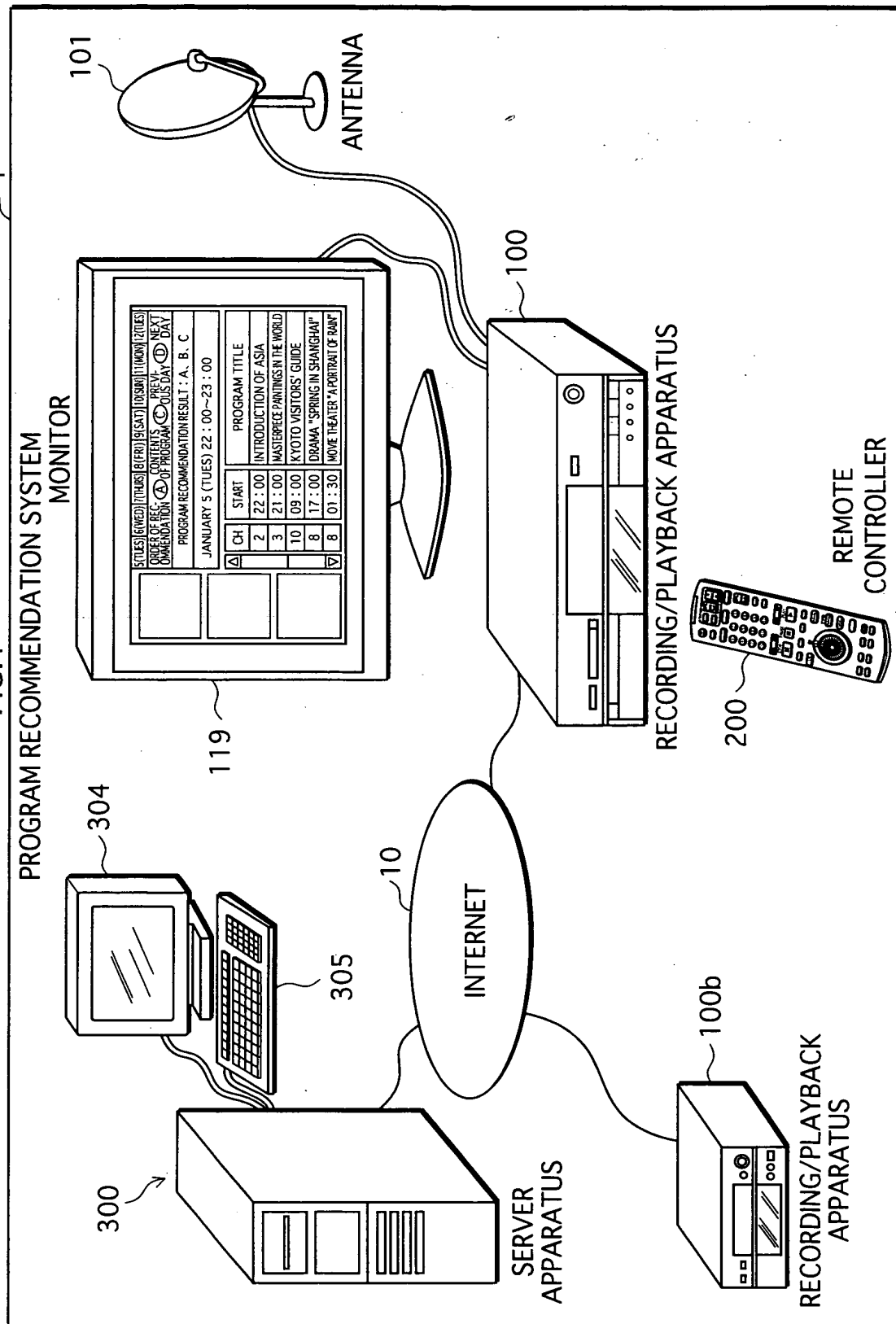
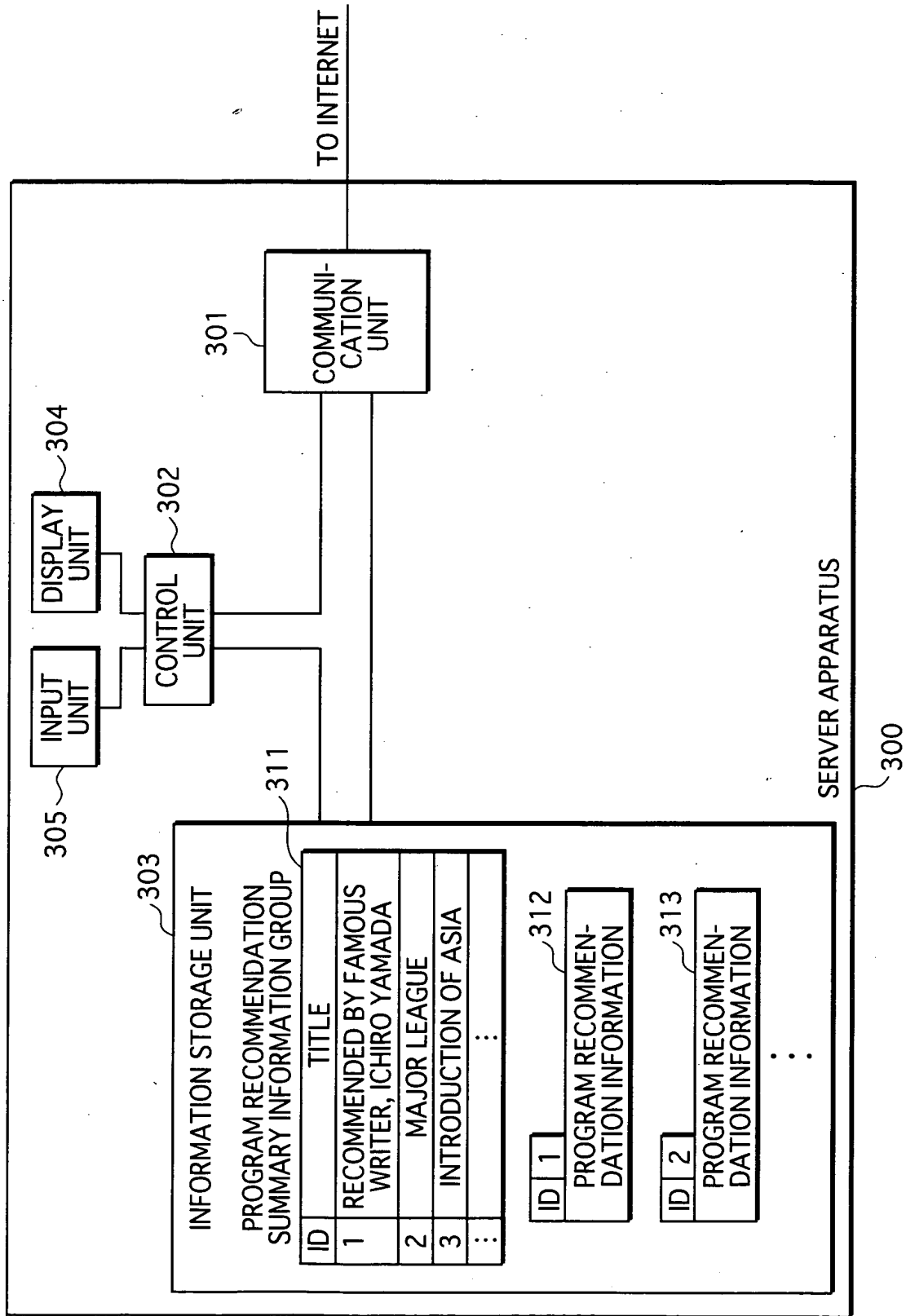
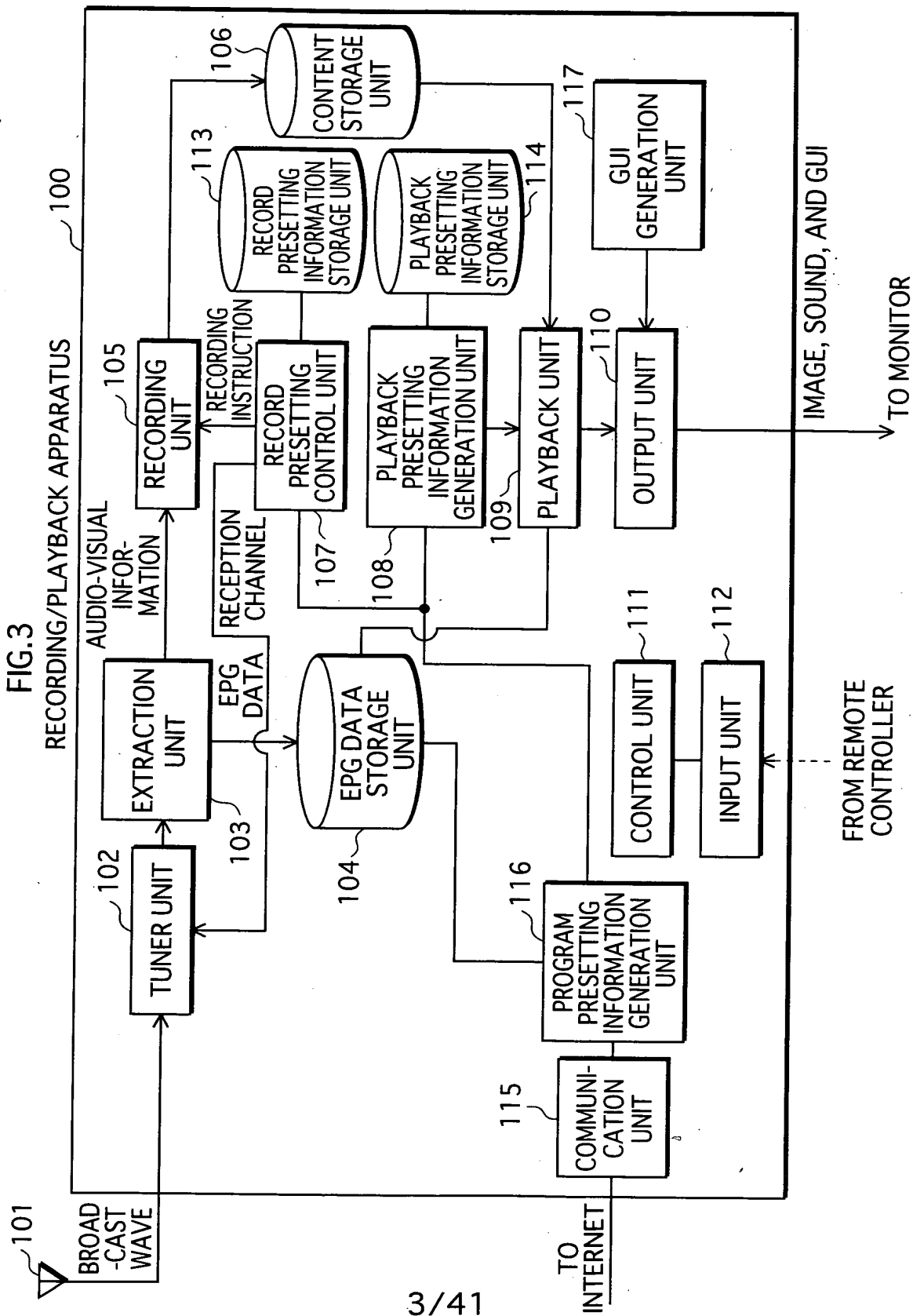


FIG.2





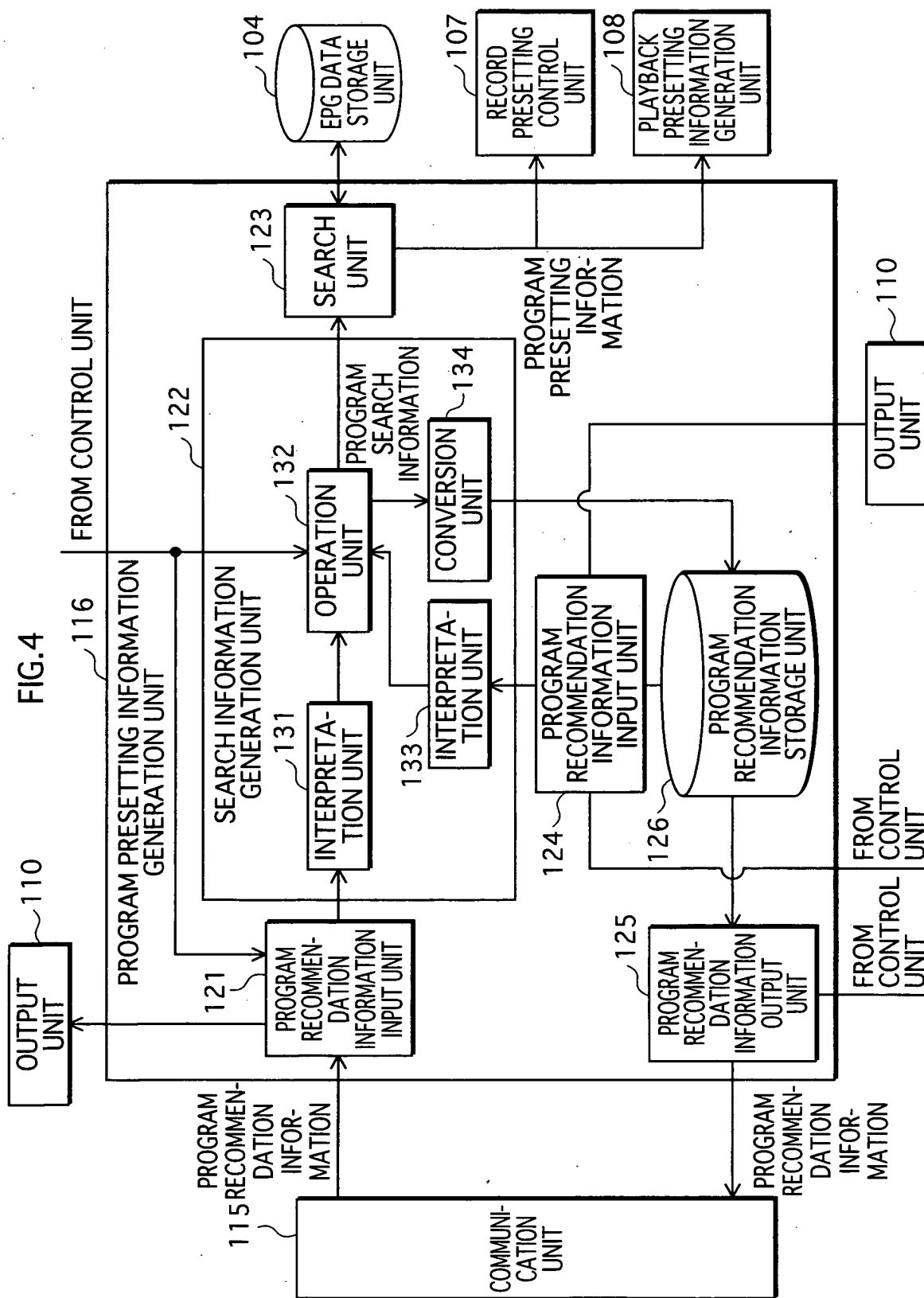
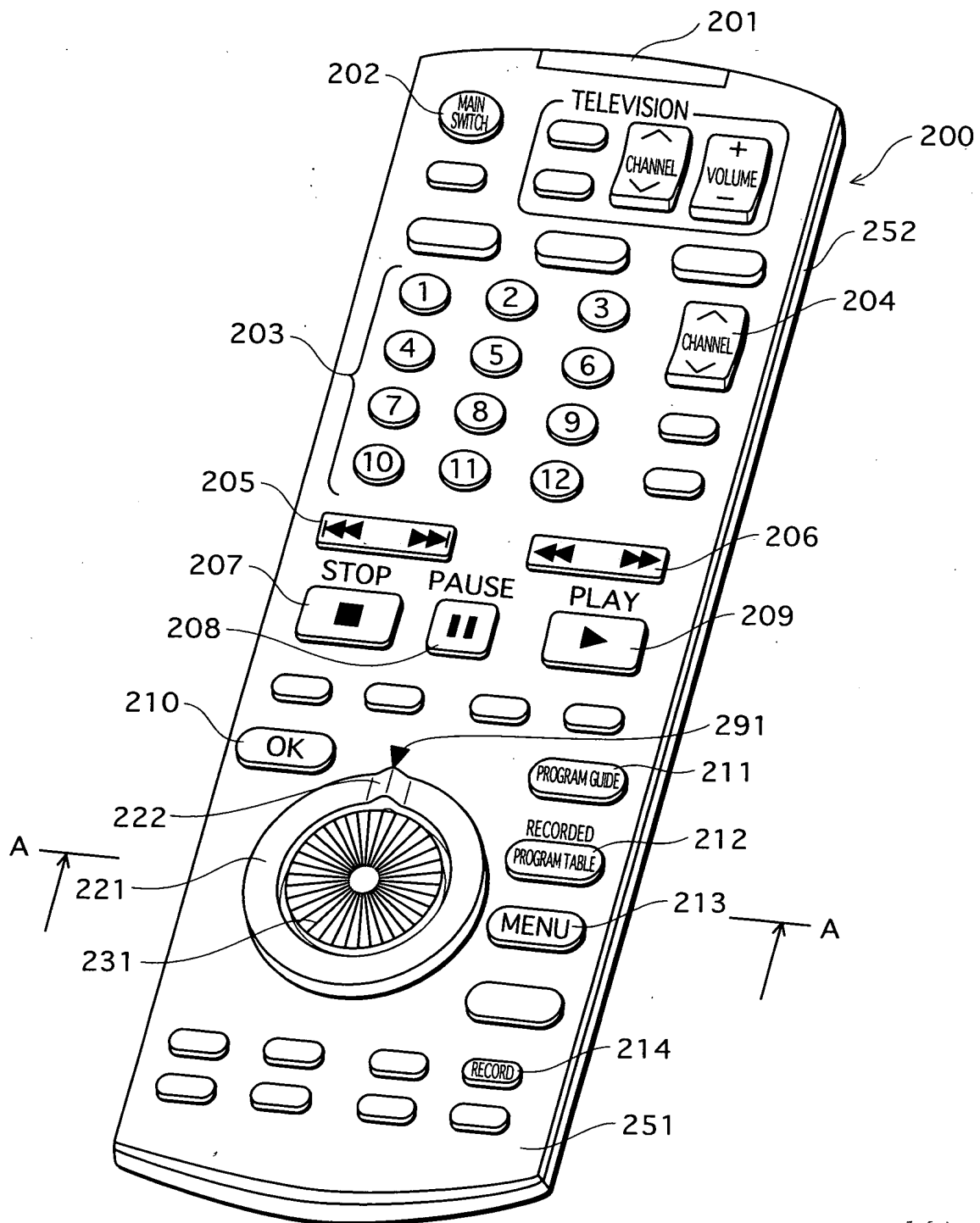


FIG.5



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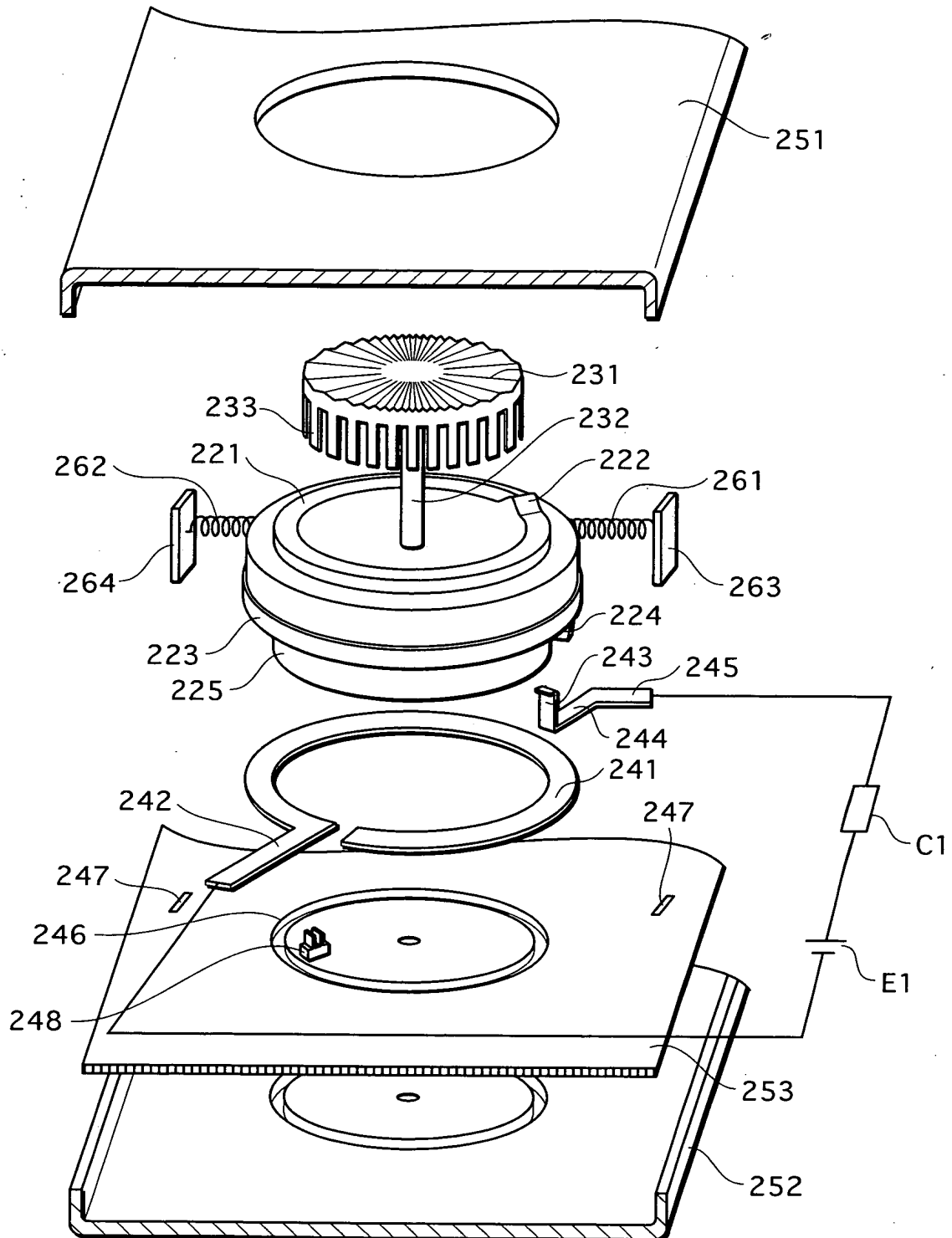
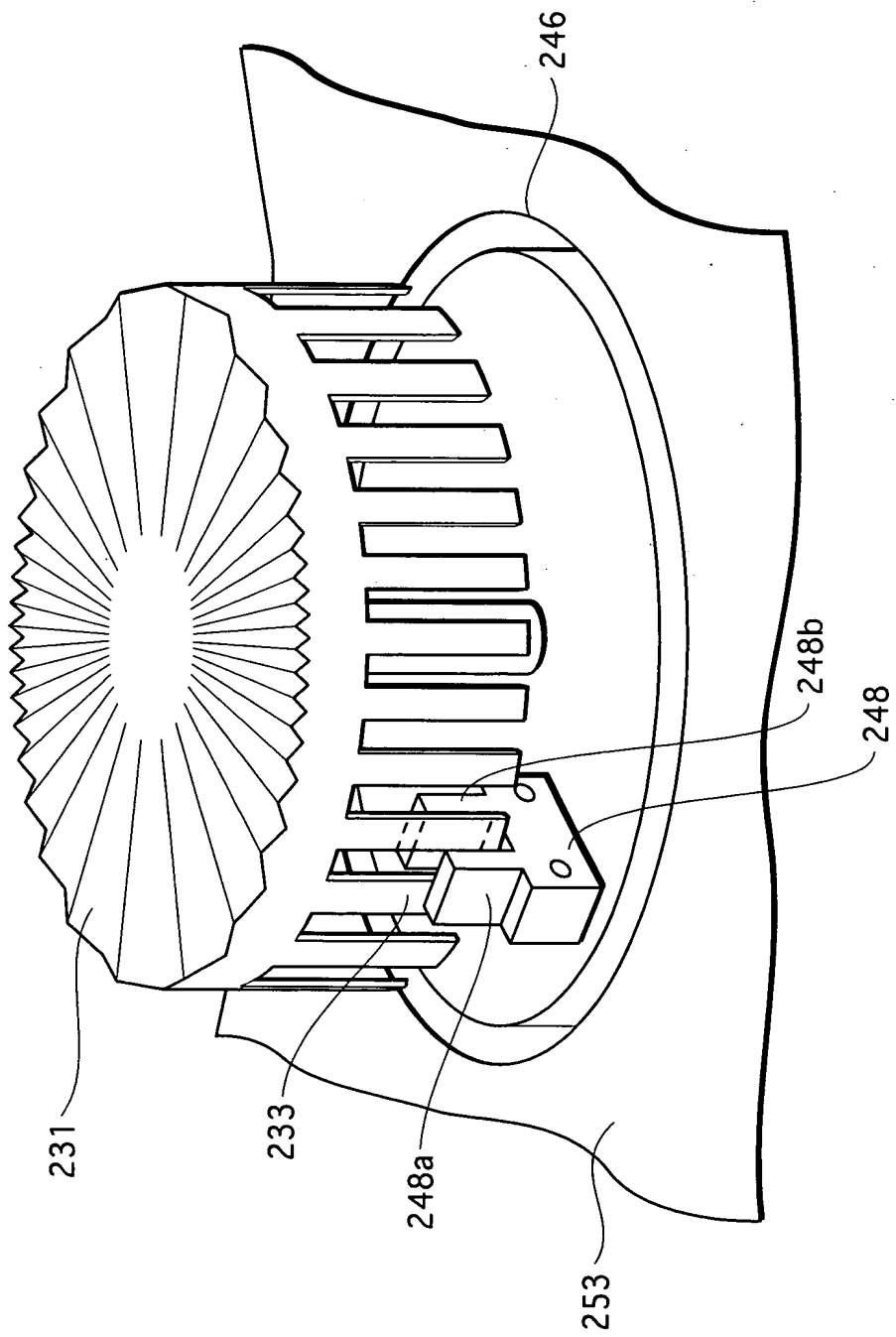


FIG. 7



[illegible]

FIG.9

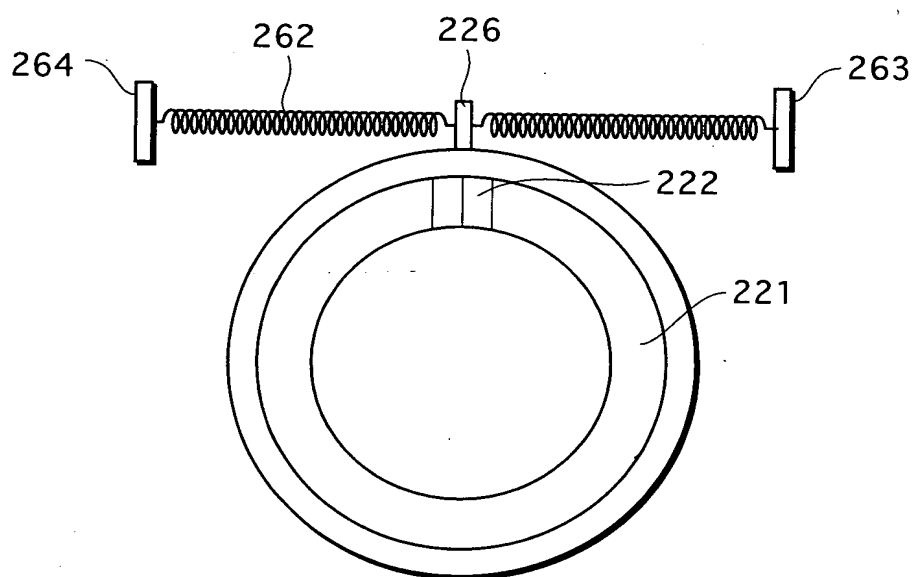


FIG.10

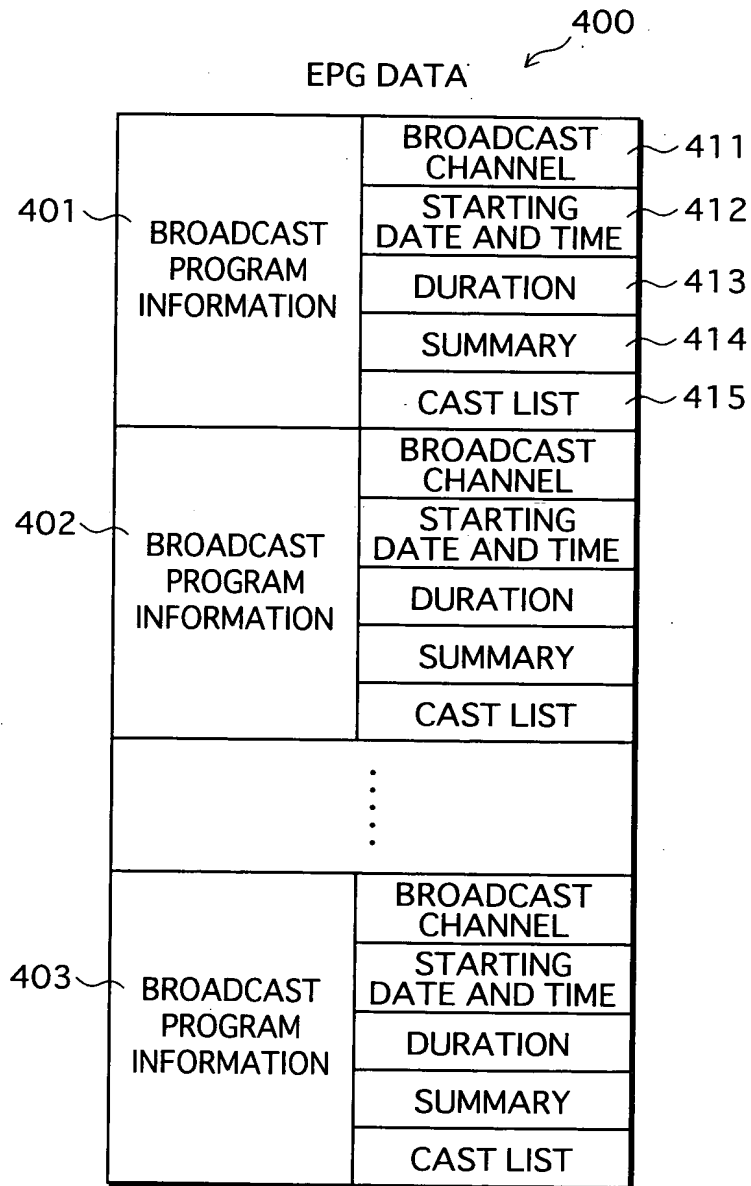


FIG.11

PROGRAM RECOMMENDATION INFORMATION

420

<?xml version="1.0" encoding="Shift_JIS"?>

PRESETTING INFORMATION AREA

<rec_list>
 {
 <date>20030707</date> ~ 421b
 <start_time>2000</start_time> ~ 421c
 <end_time>2055</end_time> ~ 421d
 <channel>8</channel> ~ 421e
 }
 </rec_list>

KEYWORD AREA

<keyword_list>
 <keyword>BASEBALL</keyword> ~ 422a
 <keyword>MAJOR LEAGUE</keyword> ~ 422b
 <keyword>JAPANESE</keyword> ~ 422c
 </keyword_list>

SEARCH FORMULA AREA

<formula_list>
 <formula>"FOOTBALL"*(("EUROPE"+"SERIE A"+"PREMIUM")</formula> ~ 423a
 <formula>("THE ANTARCTIC"+"NEW ZEALAND"+"AFRICA")*"PENGUIN"</formula>
 </formula_list>

FIG.12

PROGRAM RECOMMENDATION INFORMATION 430

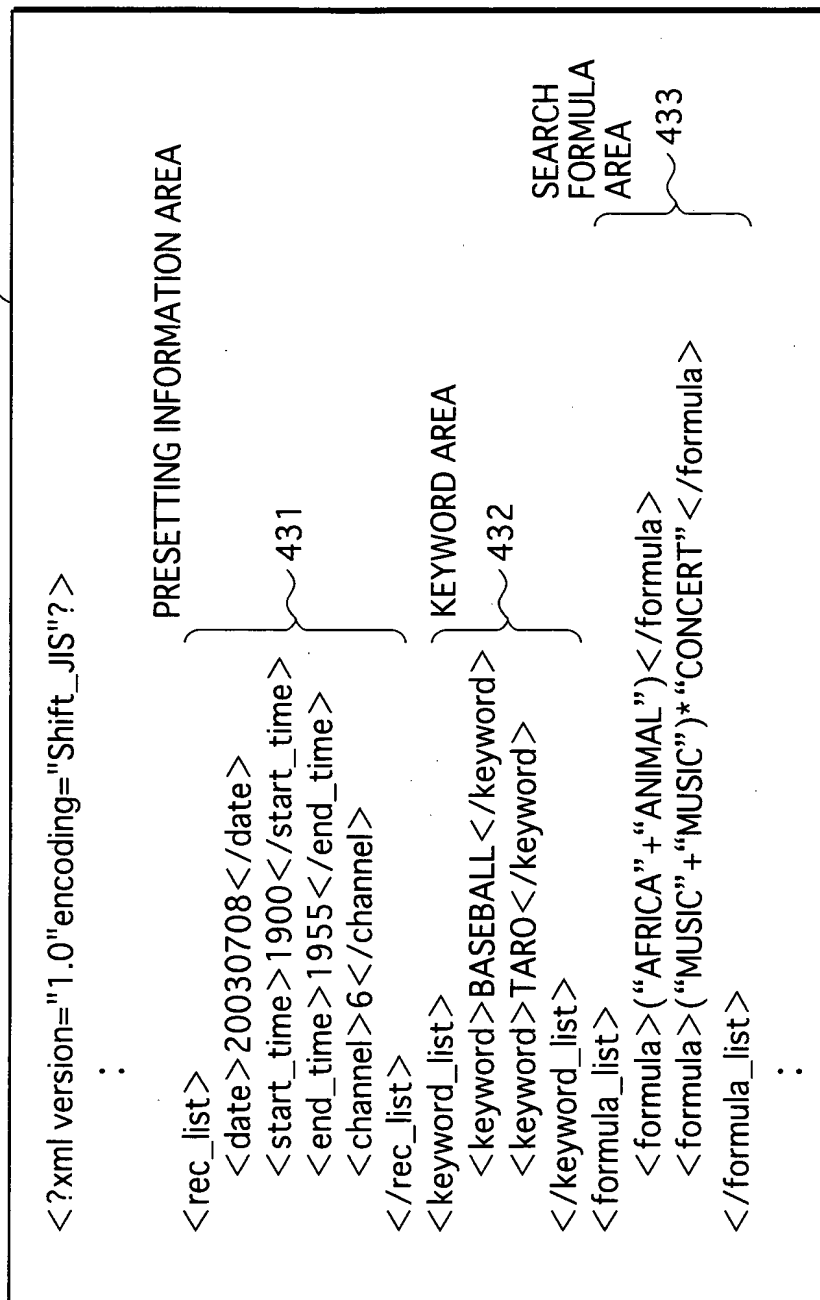


FIG.13

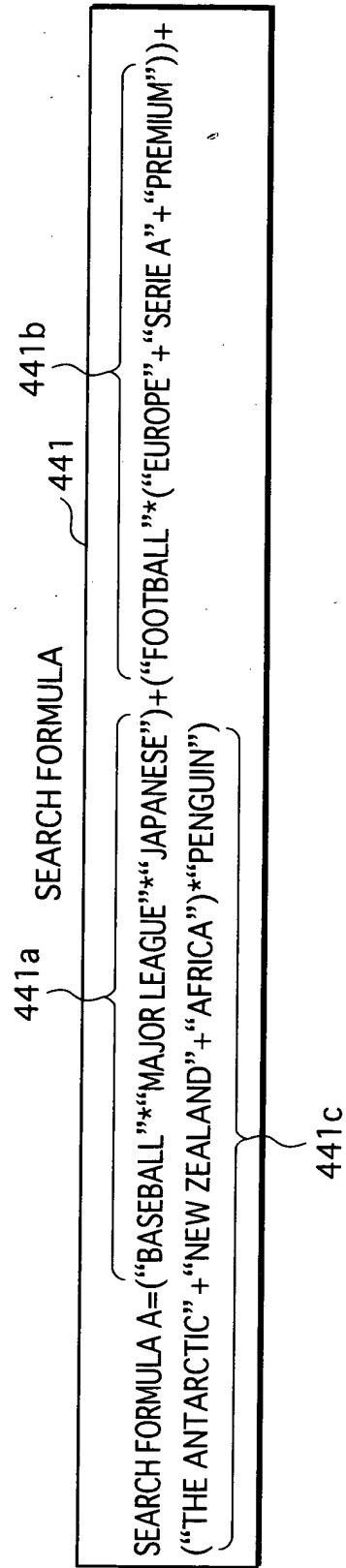


FIG.14

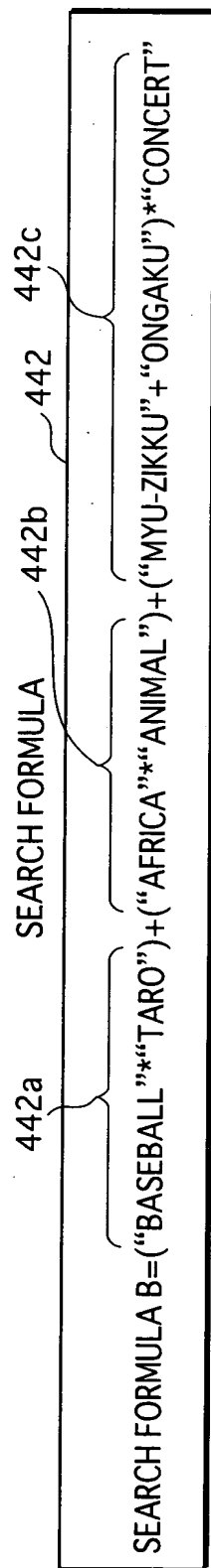


FIG. 15

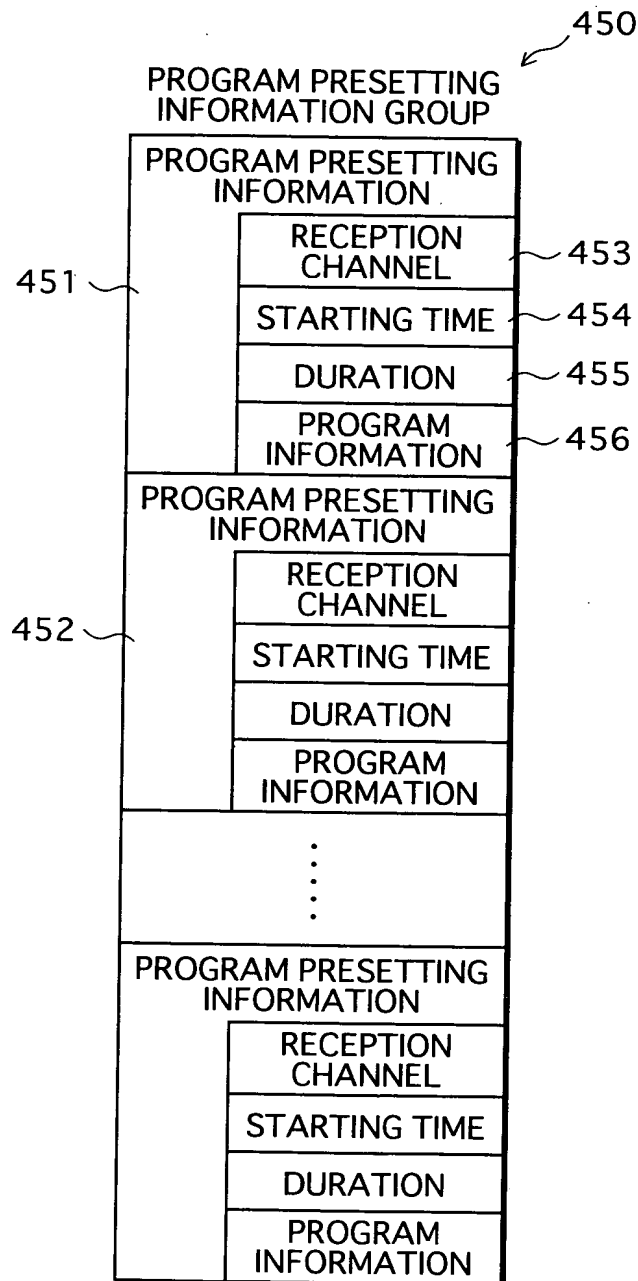


FIG. 16

460

RECORD PRESETTING INFORMATION GROUP

461	RECORD PRESETTING INFORMATION	
463	RECEPTION CHANNEL	59
464	STARTING TIME	JULY 11, 2005-07:00
465	DURATION	120
466	PROGRAM INFORMATION	INTRODUCTION OF ASIA
462	RECORD PRESETTING INFORMATION	
	RECEPTION CHANNEL	61
	STARTING TIME	JULY 12, 2005-09:00
	DURATION	60
	PROGRAM INFORMATION	MASTERPIECE PAINTINGS IN THE WORLD
	⋮	

FIG.17

470 ↙

PLAYBACK PRESETTING INFORMATION GROUP

PLAYBACK PRESETTING INFORMATION		471
RECEPTION CHANNEL	59	473
STARTING TIME	JULY 13. 2005 19:00	474
DURATION	120	475
PROGRAM INFORMATION	INTRODUCTION OF ASIA	476
PLAYBACK PRESETTING INFORMATION		472
RECEPTION CHANNEL	60	
STARTING TIME	JULY 13. 2005 21:00	
DURATION	60	
PROGRAM INFORMATION	MASTERPIECE PAINTINGS IN THE WORLD	
⋮		

FIG.18

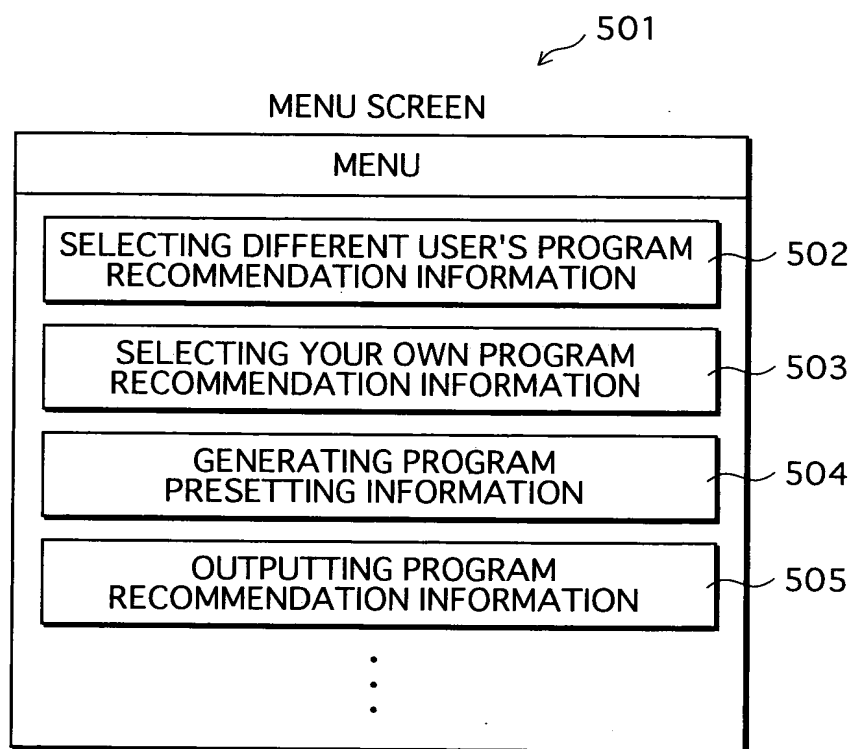


FIG.19

SELECTION SCREEN TO SELECT DIFFERENT USER'S
PROGRAM RECOMMENDATION INFORMATION 511

AVAILABLE PROGRAM
RECOMMENDATION INFORMATION 515

ID	TITLE	
1	RECOMMENDED BY FAMOUS WRITER, ICHIRO YAMADA	△
2	MAJOR LEAGUE	
3	INTRODUCTION OF ASIA	
4	FOR CHILDREN OF 10-12 YEARS OLD	
5	MASTERPIECE PAINTINGS IN THE WORLD	
6	KYOTO VISITORS' GUIDE	▽

512

513

514

DOWNLOAD home

FIG.20

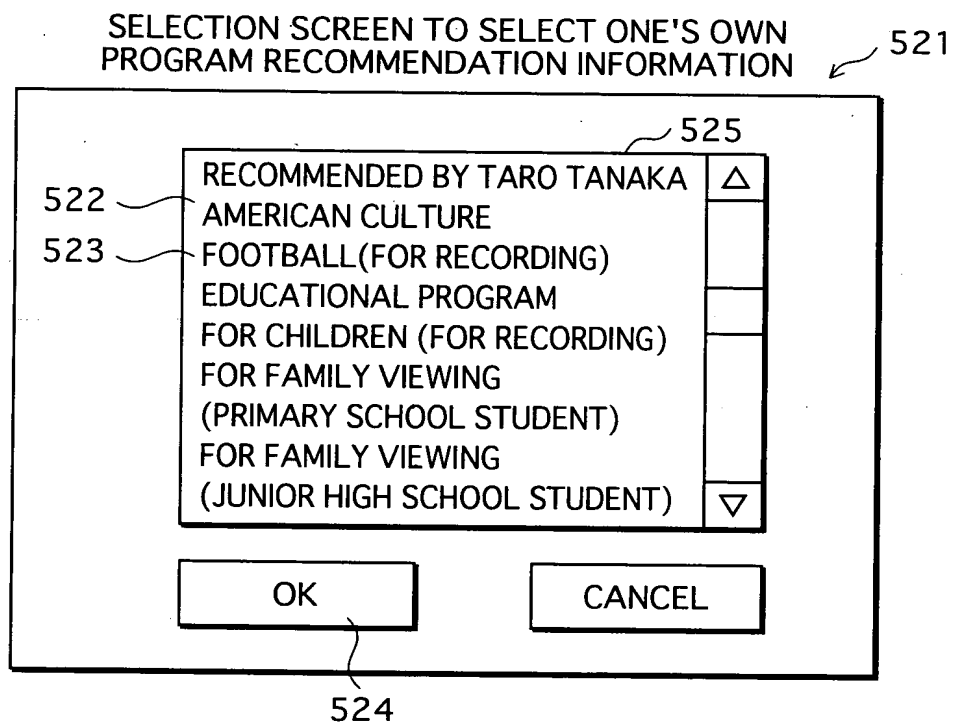


FIG. 21

	4ch	6ch	8ch	10ch	Mych
10:00	NEWS	THE YOUNG ACE	MOVIE THEATER "A PORTRAIT OF RAIN"	NEWS	NEWS
11:00		NEWS-WORLD		MEN: FINAL	DRAMA
12:00	SPORTS	WEATHER FORECAST MESSAGES FROM THE WORLD	COMEDY	NEWS	DRAMA
13:00	PROFES- SIONAL BASEBALL			NATIONAL PARKS	MOVIE
14:00	NEWS	WEATHER FORECAST	WEATHER FORECAST	NEWS	COMEDY

FIG.22

541

543 RECORDED PROGRAM TABLE

CH	START	PROGRAM TITLE
2	22 : 00	INTRODUCTION OF ASIA
3	21 : 00	MASTERPIECE PAINTINGS IN THE WORLD
10	09 : 00	KYOTO VISITORS' GUIDE
8	17 : 00	DRAMA "SPRING IN SHANGHAI"
8	01 : 30	MOVIE THEATER "A PORTRAIT OF RAIN"
4	20 : 00	LEGEND OF KOTARO YAMASHITA

542

544

FIG.23

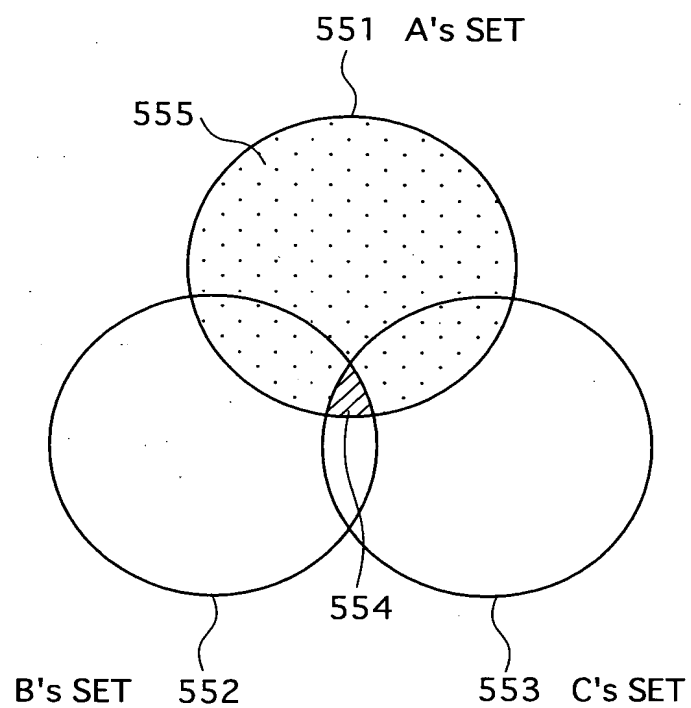


FIG.24

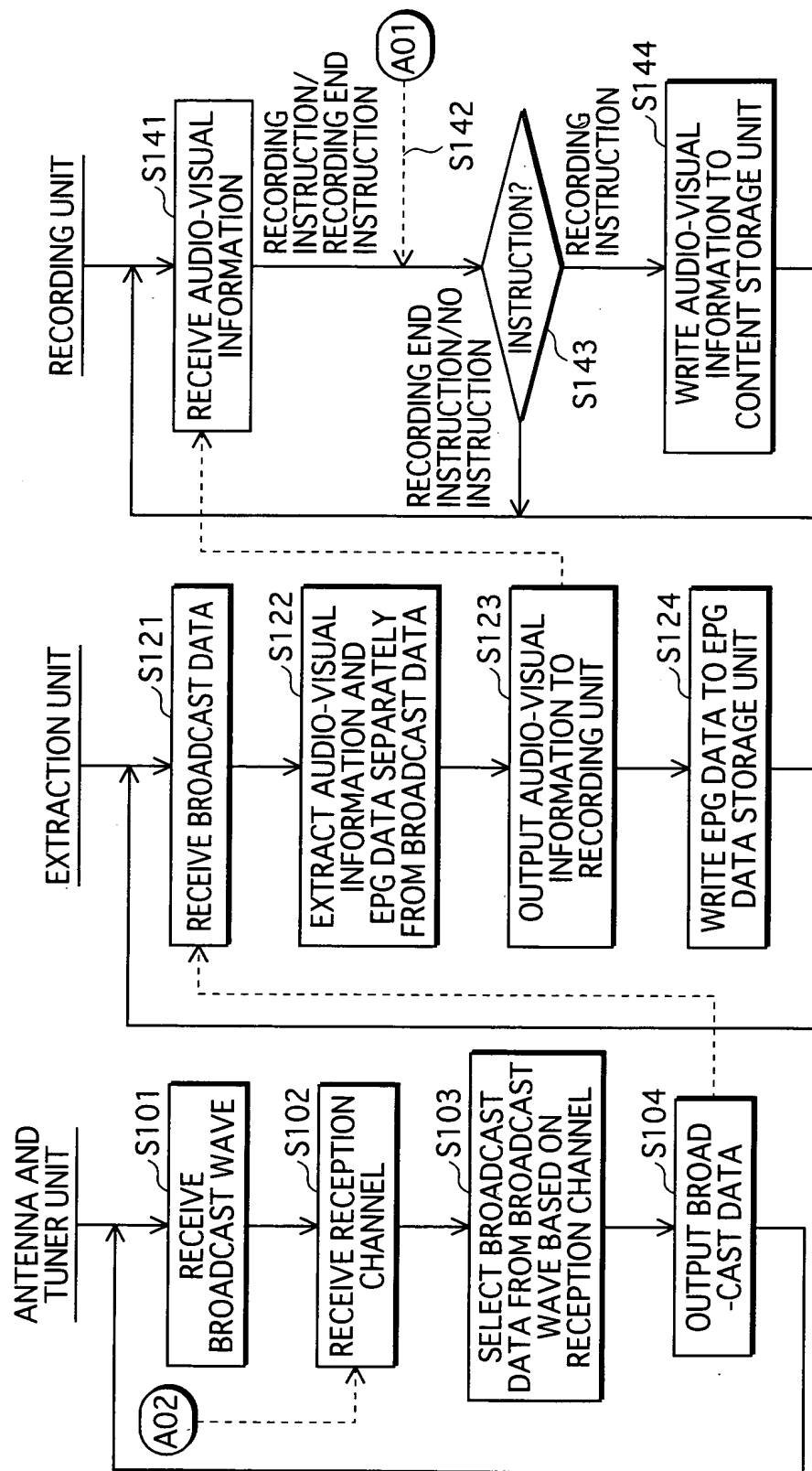


FIG.25
RECORD PRESETTING CONTROL UNIT

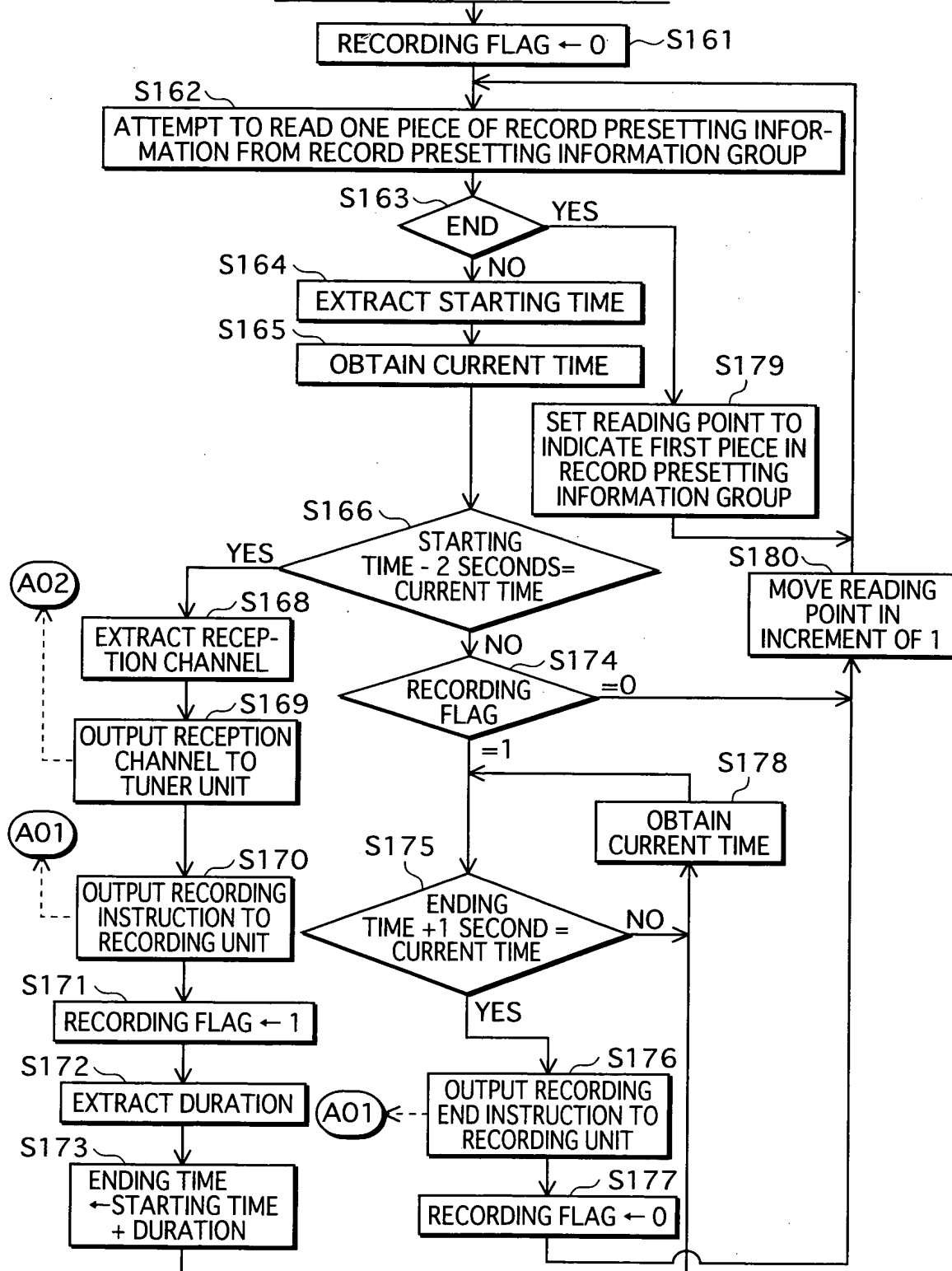


FIG.26

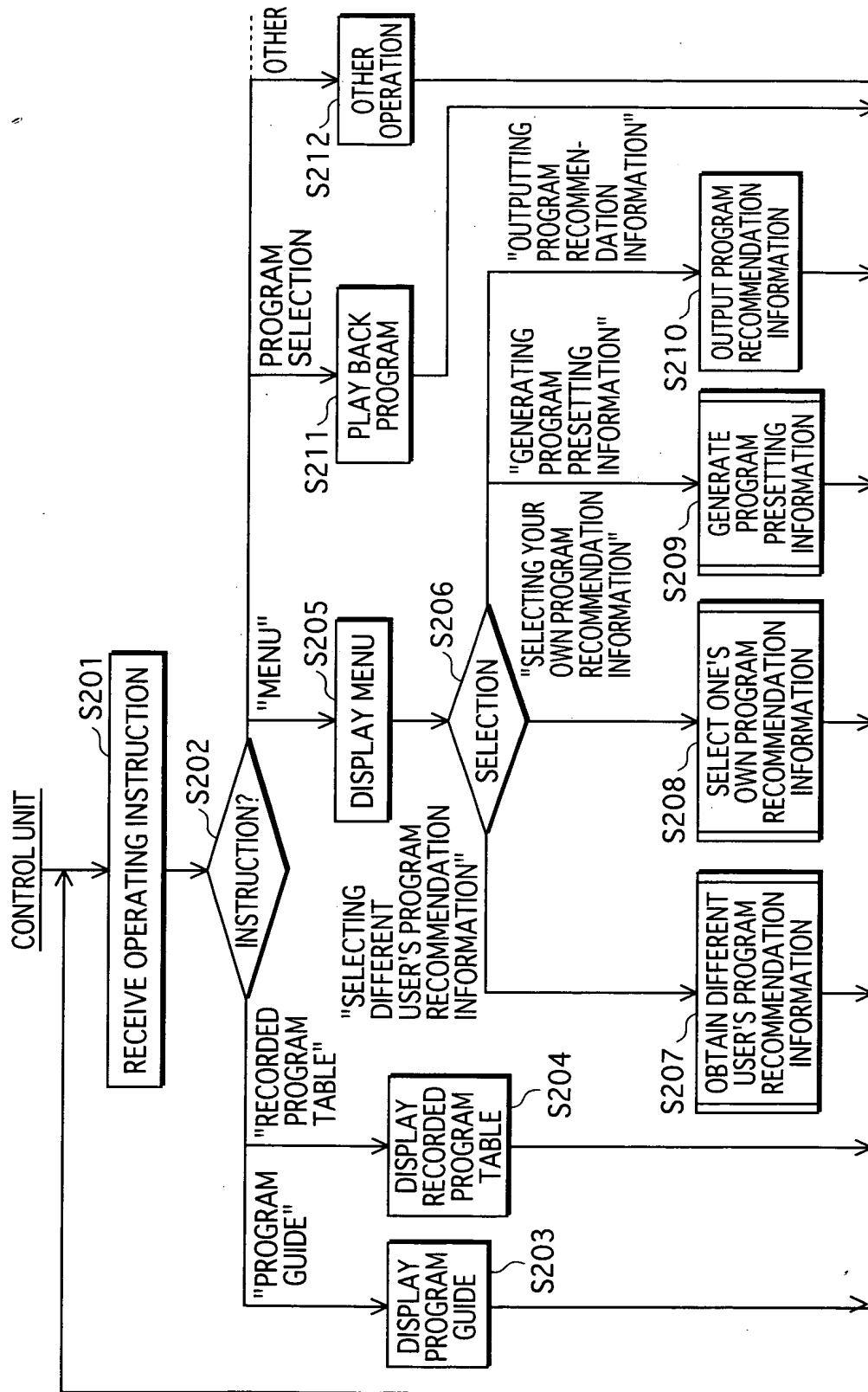


FIG.27

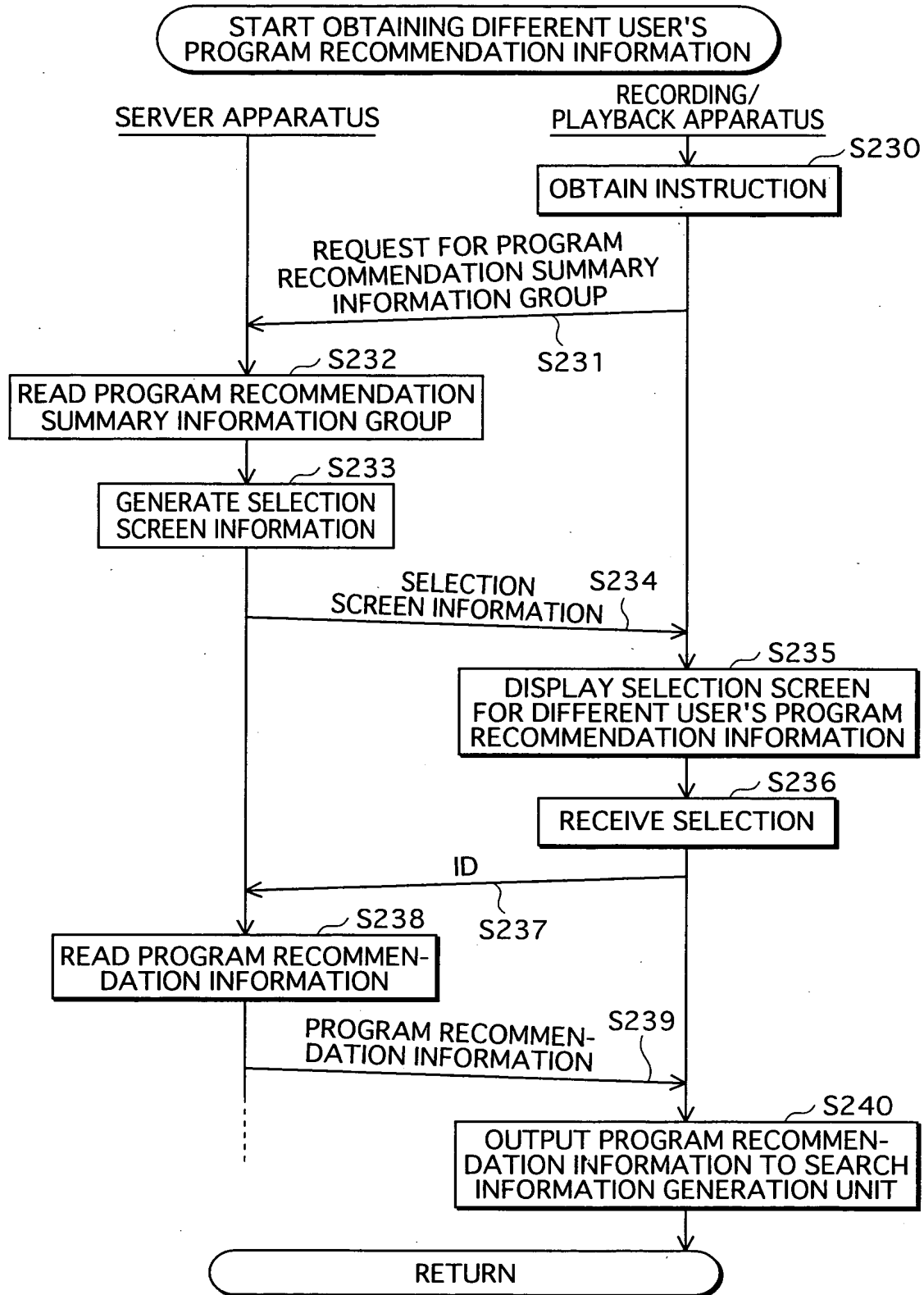


FIG.28

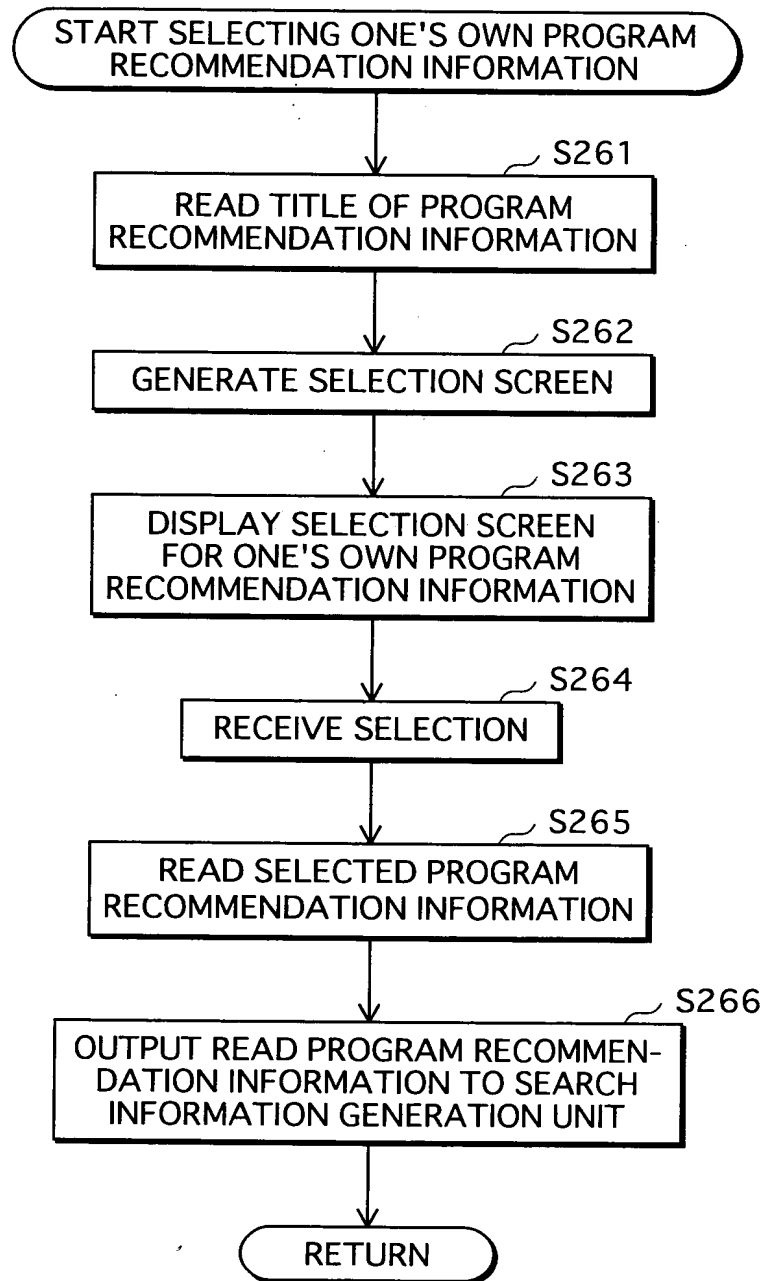


FIG.29

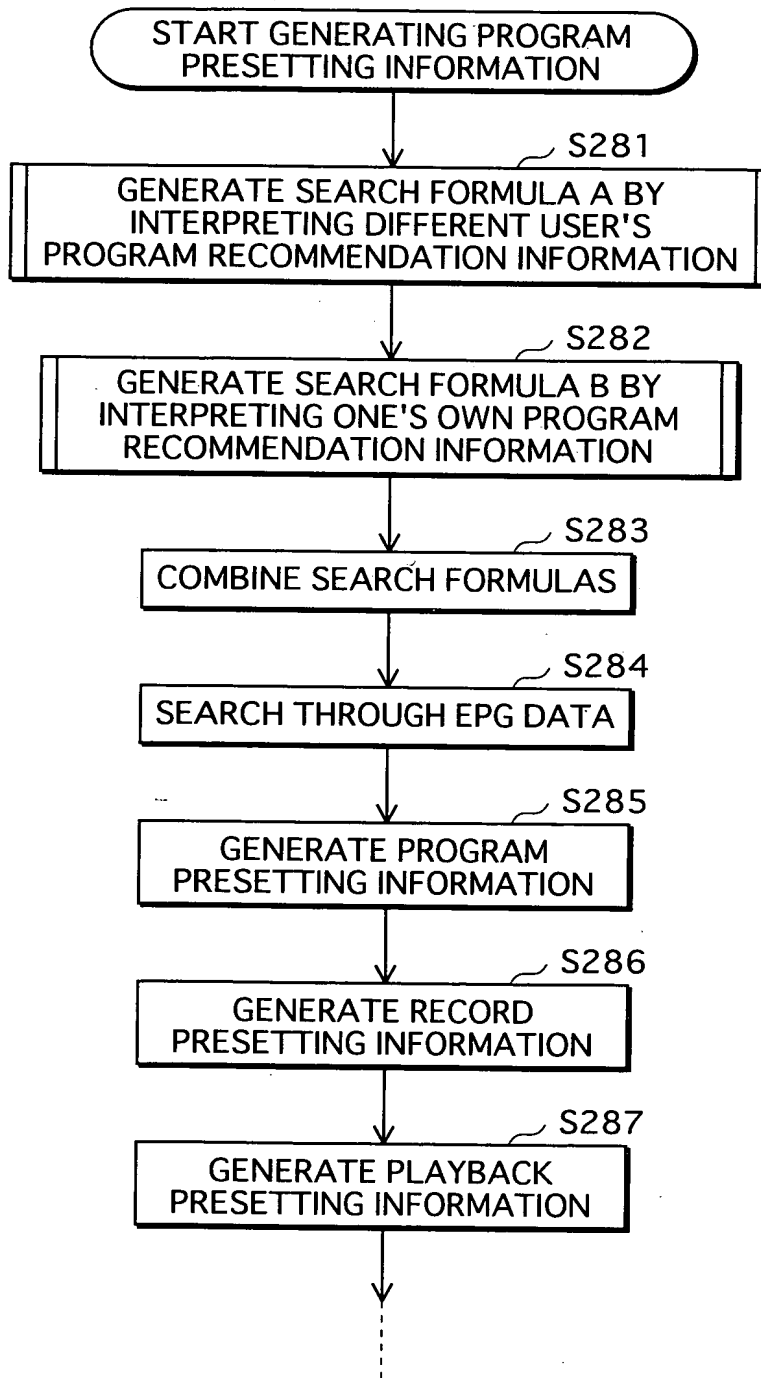


FIG.30

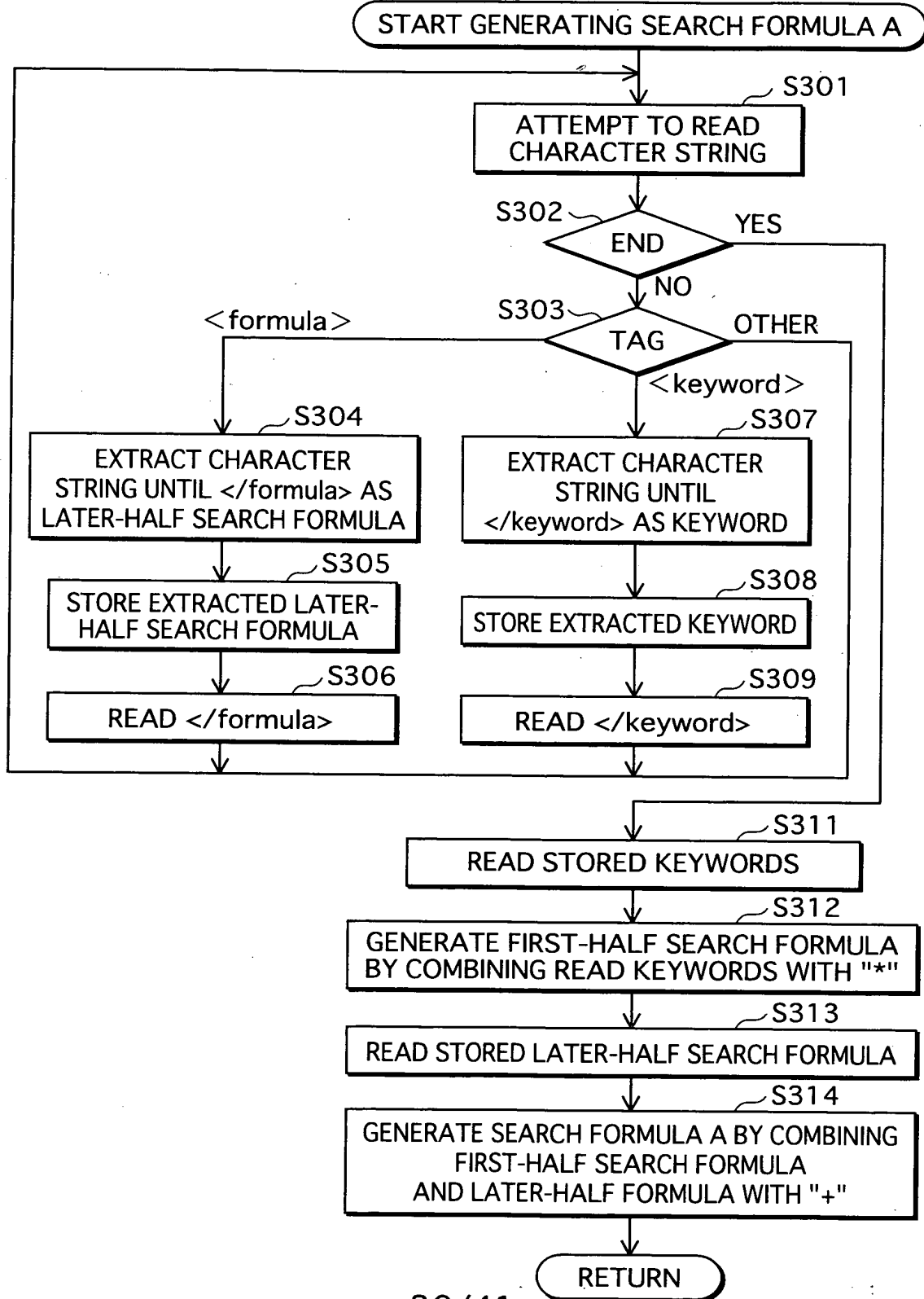


FIG.31

SELECTION SCREEN FOR ONE'S OWN
PROGRAM RECOMMENDATION INFORMATION 561

OPERATION SELECTION SCREEN X

"RECOMMENDED BY TARO TANAKA" +
 "FOR FAMILY VIEWING (JUNIOR HIGH SCHOOL STUDENT)"

RECOMMENDED BY TARO TANAKA
 AMERICAN CULTURE
 FOOTBALL (FOR RECORDING)
 EDUCATIONAL PROGRAM
 FOR CHILDREN (FOR RECORDING)
 FOR FAMILY VIEWING
 (PRIMARY SCHOOL STUDENT)
 FOR FAMILY VIEWING
 (JUNIOR HIGH SCHOOL STUDENT)

▲

▼

AND

NAND

OR

NOR

XOR

NOT

OK

CANCEL

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FIG.32

135

PERSONAL INFORMATION STORAGE UNIT

801

SEARCH FORMULA TABLE

VIEWER ID	SEARCH FORMULA
ID_A	FORMULA A
ID_B	FORMULA B
ID_C	FORMULA C

PROGRAM
SEARCH INFORMATION

811

SEARCH FORMULA A+SEARCH
FORMULA B+SEARCH FORMULA C

TIME PERIOD TABLE

821

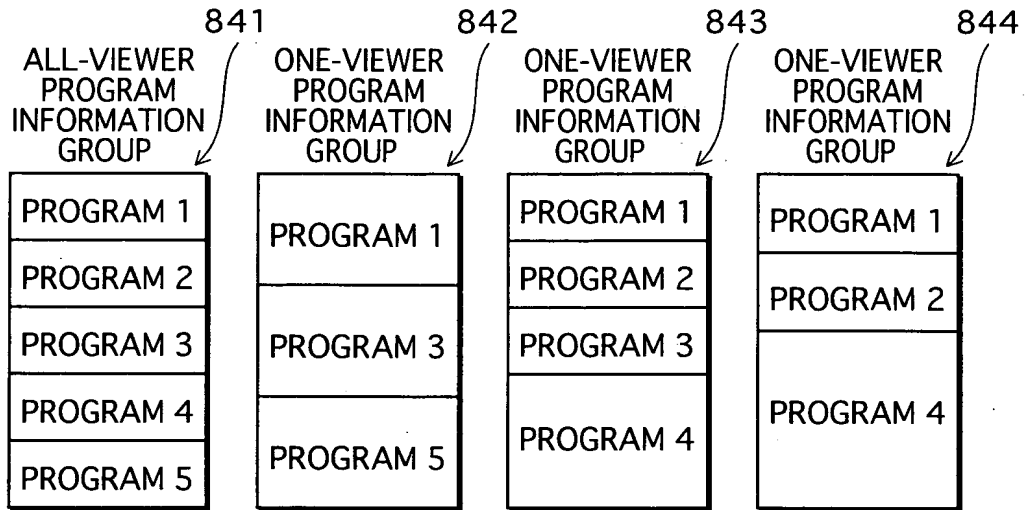
VIEWER ID	TIME PERIOD
ID_A	MARCH 11, 2005 19:00~23:00
ID_B	MARCH 11, 2005 20:00~23:30
ID_C	MARCH 11, 2005 21:00~22:00

PRIORITY TABLE

831

VIEWER ID	PRIORITY
ID_A	0.5
ID_B	0.25
ID_C	0.25

FIG.33



PRIORITY CALCULATION TABLE 851

VIEWER PRO- GRAM ID	VIEWER A	VIEWER B	VIEWER C	TOTAL
PROGRAM 1	0.5	0.25	0.25	1.0
PROGRAM 2	—	0.25	0.25	0.5
PROGRAM 3	0.5	0.25	—	0.75
PROGRAM 4	—	0.25	0.25	0.5
PROGRAM 5	0.5	—	—	0.5

FIG.34

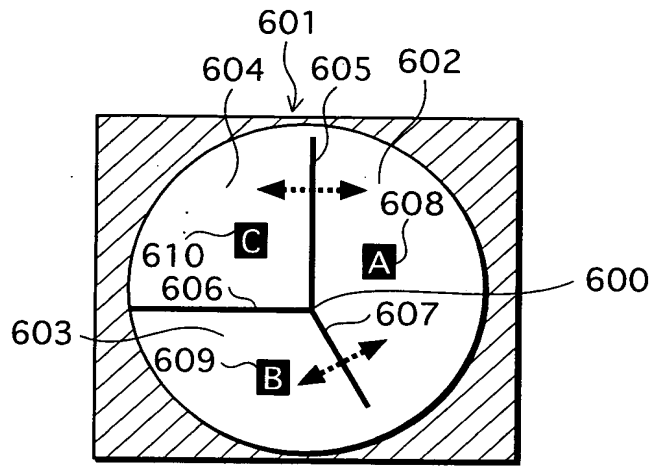


FIG.38

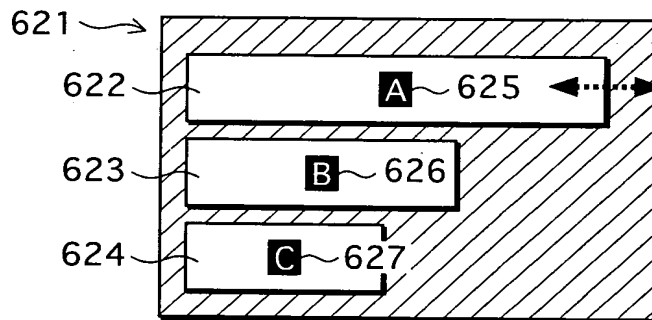


FIG.39

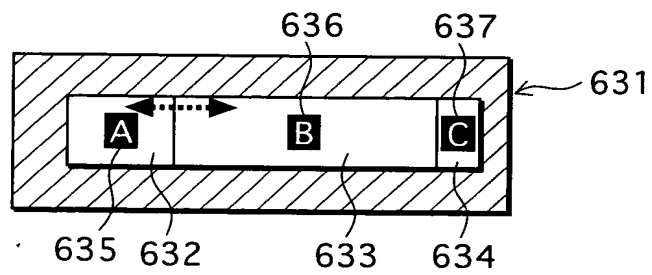


FIG.35

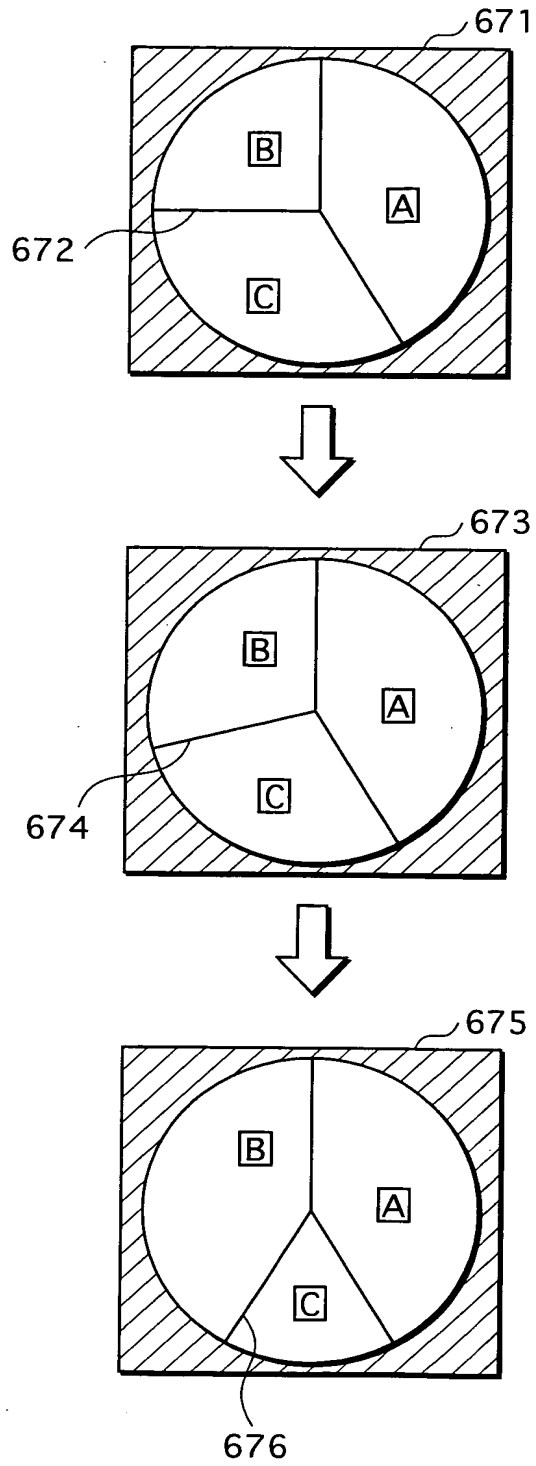


FIG.36

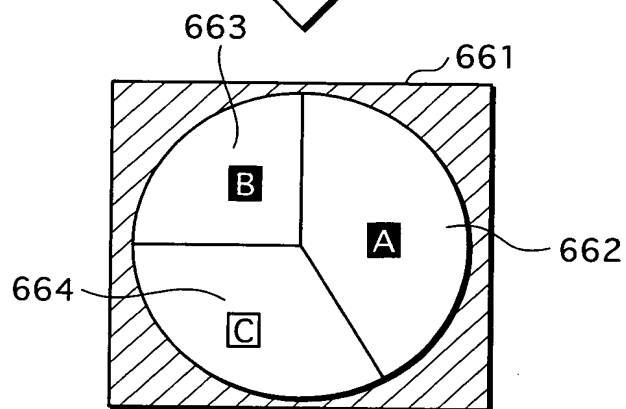
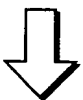
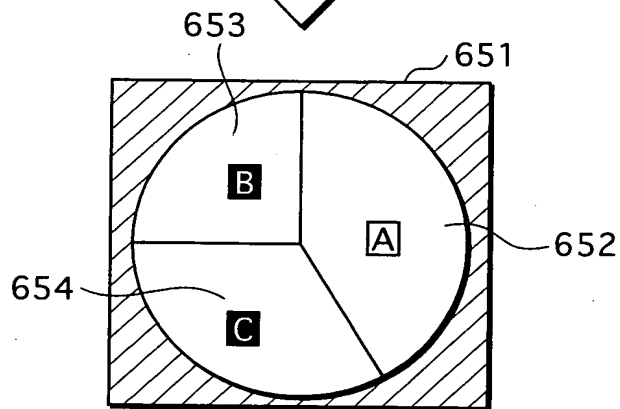
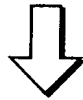
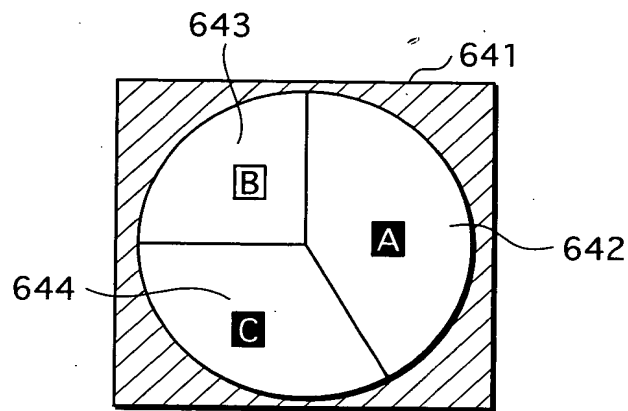
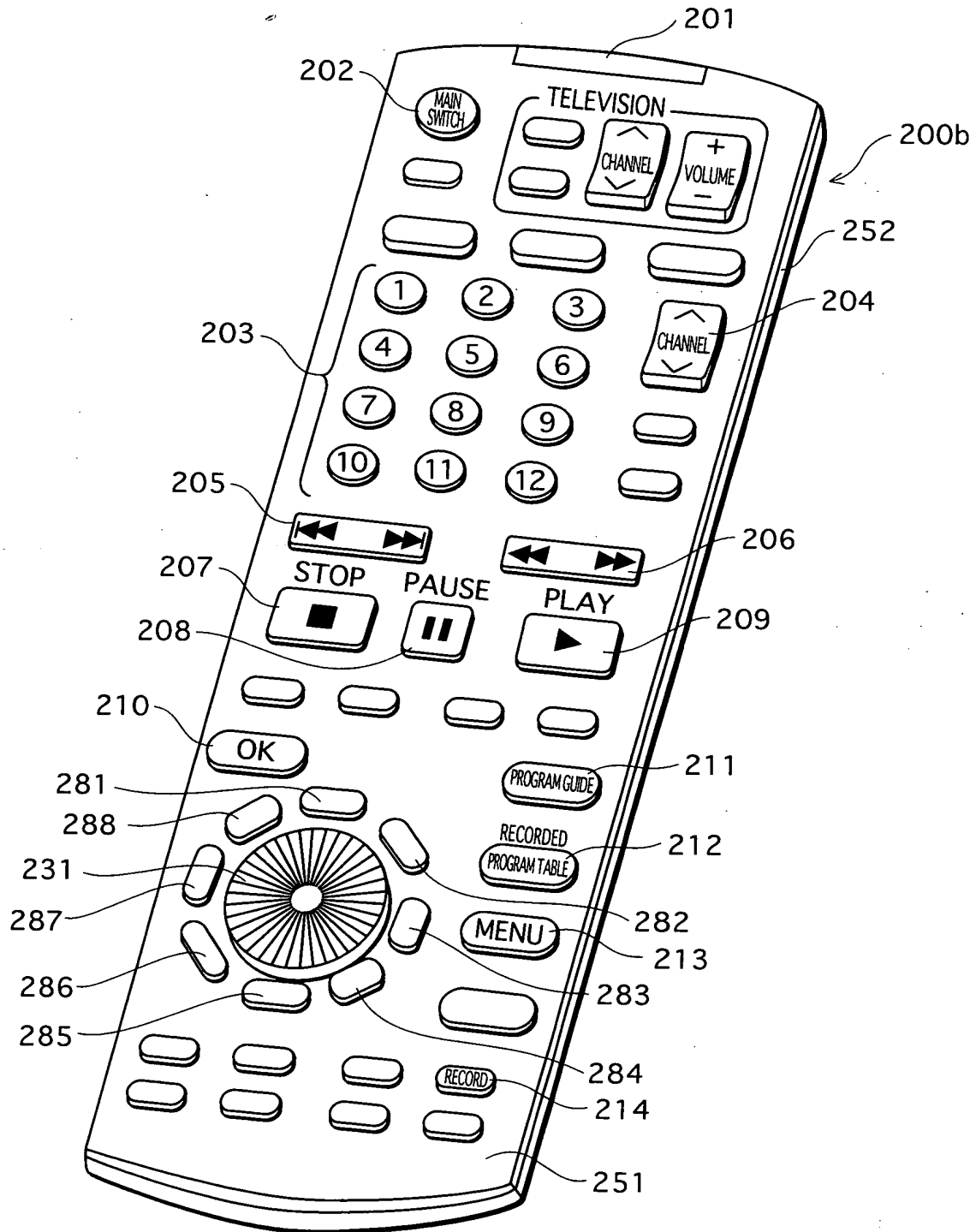
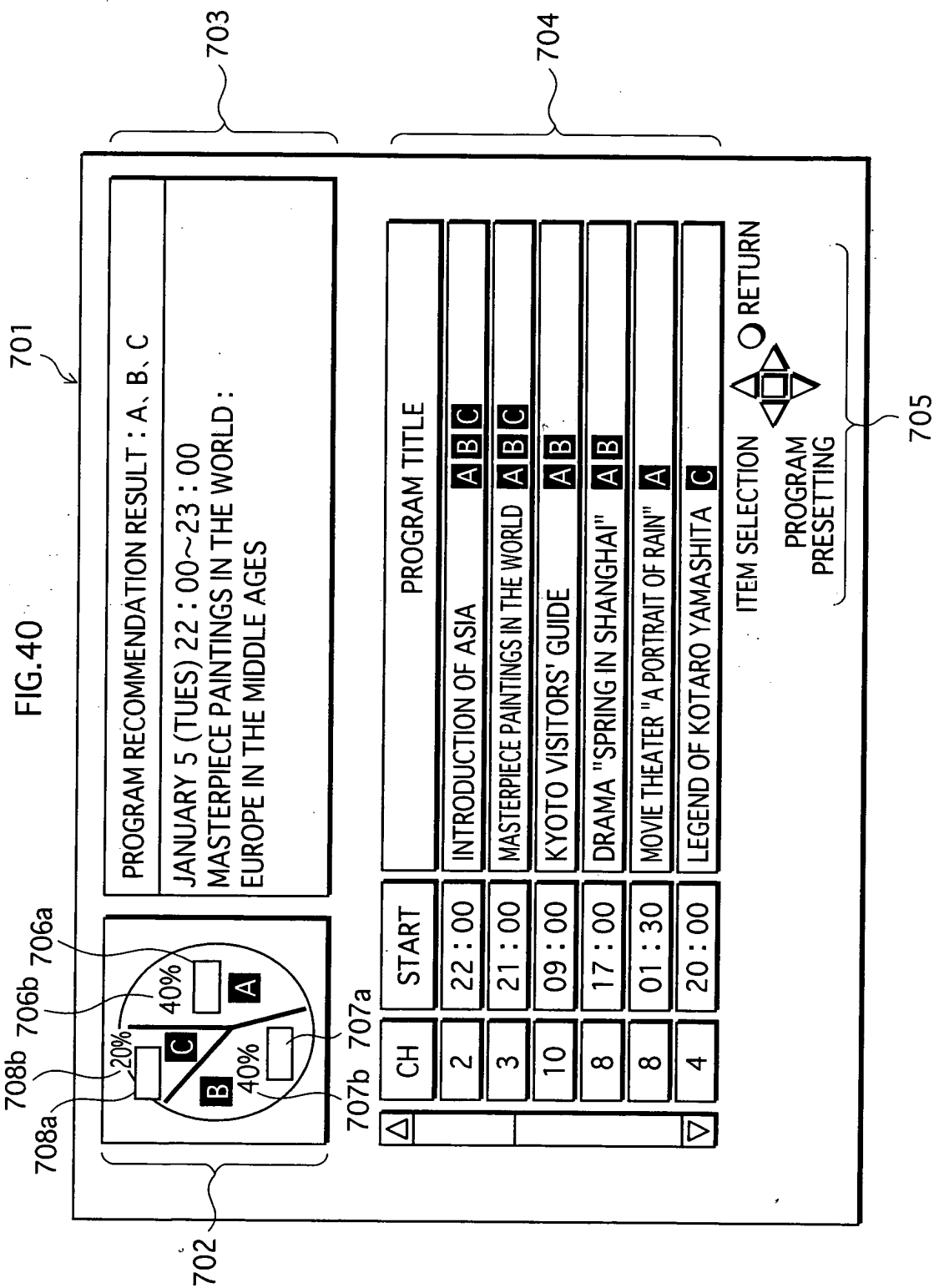


FIG.37





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FIG.42

5(TUES) 6(WED) 7(THURS) 8(FRI) 9(SAT) 10(SUN) 11(MON) 12(TUES)

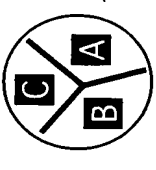
ORDER OF RECOMMENDATION
(A) CONTENTS OF PROGRAM
(C) PREVIOUS DAY
(D) NEXT DAY

PROGRAM RECOMMENDATION RESULT : A、B、C

JANUARY 5 (TUES) 22 : 00 ~ 23 : 00 BUSINESS: SCIENCE: MY BOOM

MASTERPIECE PAINTINGS IN THE WORLD:

EUROPE IN THE MIDDLE AGES



CH	START	PROGRAM TITLE
2	22 : 00	INTRODUCTION OF ASIA A B C
3	21 : 00	MASTERPIECE PAINTINGS IN THE WORLD A B C
10	09 : 00	P KYOTO VISITORS' GUIDE A B
8	17 : 00	DRAMA "SPRING IN SHANGHAI" A B
8	01 : 30	MOVIE THEATER "A PORTRAIT OF RAIN" A
4	20 : 00	P LEGEND OF KOTARO YAMASHITA C

ITEM SELECTION

RETURN

PROGRAM PRESETTING

723
724
725

726
727
728

729

FIG.43

731

